

## EAST Search History

| Ref # | Hits   | Search Query   | DBs               | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|-------------------|------------------|---------|------------------|
| L1    | 159    | (titanium or ti or zirconium or zi) near (acylate)   | US-PGPUB; USPAT   | OR               | ON      | 2007/07/09 09:59 |
| L2    | 329338 | polyester or copolyester   | US-PGPUB; USPAT   | OR               | ON      | 2007/07/09 09:59 |
| L3    | 96     | 1 and 2  | US-PGPUB; USPAT   | OR               | ON      | 2007/07/09 09:53 |
| L4    | 98     | (titanium or ti or zirconium or zi) near (acylate)   | EPO; JPO; DERWENT | OR               | ON      | 2007/07/09 09:57 |
| L5    | 278075 | Polyester or copolyester   | EPO; JPO; DERWENT | OR               | ON      | 2007/07/09 09:58 |
| L6    | 31     | 4 and 5  | EPO; JPO; DERWENT | OR               | ON      | 2007/07/09 09:58 |
| L7    | 30     | ((titanium or ti or zirconium or zi) near (acylate)).clm.  | US-PGPUB; USPAT   | OR               | ON      | 2007/07/09 09:59 |
| L8    | 78113  | (polyester or copolyester).clm.  | US-PGPUB; USPAT   | OR               | ON      | 2007/07/09 09:59 |
| L9    | 7      | 7 and 8  | US-PGPUB; USPAT   | OR               | ON      | 2007/07/09 09:59 |
| S1    | 17     | ((hiroshi near taki) or (chikao near morishige) or (harunobu near kuroiwa)).in.  | US-PGPUB; USPAT   | OR               | ON      | 2007/07/06 15:45 |
| S2    | 2454   | (titanium or ti or zirconium or zi) near (acrylate or methacrylate or chelate or organometallic)   | US-PGPUB; USPAT   | OR               | ON      | 2007/07/06 15:45 |
| S3    | 0      | S1 and S2  | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:07 |
| S4    | 479284 | (titanium or ti or zirconium or zi)  | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:07 |
| S5    | 11     | S1 and S4  | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:07 |
| S6    | 4881   | (copolyester or polyester) with (sulfonate or sulphonate or sulfonic or sulphonic or sulfomonomer or sulfoisophthal\$4 or sulphonomonomer or sulphoisophthal\$4)           | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:10 |
| S7    | 3821   | (polyester or copolyester).ab. and film.ab.  | US-PGPUB; USPAT   | OR               | ON      | 2007/07/06 15:47 |
| S8    | 451    | S6 and S7  | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:10 |
| S9    | 6596   | (copolyester or polyester) with (sulfonat\$3 or sulphonat\$3 or sulfonic or sulphonic or sulfomonomer or sulfoisophthal\$4 or sulphonomonomer or sulphoisophthal\$4)       | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:34 |
| S10   | 496    | S9 and S7  | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:11 |
| S11   | 4      | S10 and S2   | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:11 |
| S12   | 423    | ((copolyester or polyester) with (sulfonat\$3 or sulphonat\$3 or sulfonic or sulphonic or sulfomonomer or sulfoisophthal\$4 or sulphonomonomer or sulphoisophthal\$4).ab.) | US-PGPUB; USPAT   | OR               | ON      | 2007/07/06 15:49 |
| S13   | 48636  | coupling adj agent   | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:14 |
| S14   | 21     | S12 and S13  | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:14 |
| S15   | 137    | ((titanium or ti or zirconium or zi) near (acrylate or methacrylate or chelate or organometallic)).ab.   | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:19 |
| S16   | 307410 | (polyester or copolyester)   | US-PGPUB; USPAT   | OR               | ON      | 2006/10/01 15:42 |

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|     |        |   |                   |    |    |                  |
|-----|--------|---|-------------------|----|----|------------------|
| S17 | 26     | S15 and S16   | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:19 |
| S18 | 1143   | S2 and S16  | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:22 |
| S19 | 22350  | (polyester or copolyester) with binder  | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:22 |
| S20 | 313    | S19 and S2  | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:22 |
| S21 | 239    | adhesion and S20  | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:22 |
| S22 | 108177 | coating.ab.   | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:22 |
| S23 | 90     | S20 and S22   | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:22 |
| S24 | 700    | (titanium or ti or zirconium or zi) near (acrylate or methacrylate or chelate or organometallic)                                    | EPO; JPO; DERWENT | OR | ON | 2006/10/01 15:52 |
| S25 | 272516 | polyester or copolyester  | EPO; JPO; DERWENT | OR | ON | 2006/10/01 15:52 |
| S26 | 73     | S24 and S25   | EPO; JPO; DERWENT | OR | ON | 2006/10/01 15:33 |
| S27 | 8677   | hardcoat\$4 or (hard adj coat\$4)   | EPO; JPO; DERWENT | OR | ON | 2006/10/01 15:33 |
| S28 | 10060  | hardcoat\$4 or (hard adj coat\$4)   | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:33 |
| S29 | 76     | S7 and S28 and optical  | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:34 |
| S30 | 23     | S9 and S29  | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:37 |
| S31 | 106913 | tg or (glass adj transition) or t?sub?g   | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:37 |
| S32 | 23     | S30 and S31   | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:39 |
| S33 | 6      | S13 and S32   | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:41 |
| S34 | 230    | (titanium or ti or zirconium or zi) near (acrylate or methacrylate or chelate or organometallic) with (coupling adj agent)          | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:51 |
| S35 | 177    | S34 and S16   | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:42 |
| S36 | 3      | ((titanium or ti or zirconium or zi) near (acrylate or methacrylate or chelate or organometallic).ab. and (coupling adj agent).ab.) | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:45 |
| S37 | 230    | ((titanium or ti or zirconium or zi) near (acrylate or methacrylate or chelate or organometallic)) with (coupling adj agent)        | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:45 |
| S38 | 3      | S7 and S37  | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:45 |
| S39 | 121    | S19 and S37   | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:46 |
| S40 | 1512   | (zirconium) near (acetate)  | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:52 |
| S41 | 14     | S6 and S40  | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:51 |
| S42 | 1301   | (zirconium) adj (acetate)   | US-PGPUB; USPAT   | OR | ON | 2006/10/01 15:52 |

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|     |        |  |                      |    |    |                  |
|-----|--------|--|----------------------|----|----|------------------|
| S43 | 117    | (zirconium) adj (acetate)  | EPO; JPO;<br>DERWENT | OR | ON | 2006/10/01 15:52 |
| S44 | 15     | S25 and S43  | EPO; JPO;<br>DERWENT | OR | ON | 2006/10/01 15:52 |
| S45 | 19     | ((hiroshi near taki) or (chikao near morishige) or (harunobu<br>near kuroiwa)).in.                       | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 15:45 |
| S46 | 2653   | (titanium or ti or zirconium or zi) near (acrylate or methacrylate<br>or chelate or organometallic)      | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 16:01 |
| S47 | 2      | S45 and S46  | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 15:46 |
| S48 | 4025   | (polyester or copolyester).ab. and film.ab.  | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 15:50 |
| S49 | 18     | S46 and S48  | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 15:48 |
| S50 | 34638  | ((copolyester or polyester) with (dispersion or aqueous or<br>water))                                    | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 16:05 |
| S51 | 315    | S46 and S50  | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 15:50 |
| S52 | 132816 | (polyester or copolyester or pet or terephthalate) with (film or<br>base or substrate)                   | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 15:51 |
| S53 | 189    | S51 and S52  | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 15:51 |
| S54 | 724    | (titanium or ti or zirconium or zi) near (acrylate or methacrylate<br>or chelate or organometallic)      | EPO; JPO;<br>DERWENT | OR | ON | 2007/07/06 16:00 |
| S55 | 26790  | ((copolyester or polyester) with (dispersion or aqueous or<br>water))                                    | EPO; JPO;<br>DERWENT | OR | ON | 2007/07/06 16:00 |
| S56 | 27     | S54 and S55  | EPO; JPO;<br>DERWENT | OR | ON | 2007/07/06 16:01 |
| S57 | 14160  | (titanium or ti or zirconium or zi) with (acrylate or methacrylate<br>or chelate or organometallic)      | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/09 09:53 |
| S58 | 303    | S48 and S57  | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 16:02 |
| S59 | 139    | S50 and S58  | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 16:02 |
| S60 | 127    | S59 not S53  | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 16:02 |
| S61 | 5076   | (titanium or ti or zirconium or zi) near3 (acrylate or<br>methacrylate or chelate or organometallic)     | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 16:05 |
| S62 | 56     | S48 and S61  | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 16:05 |
| S63 | 0      | S62 and S55  | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 16:05 |
| S64 | 1791   | (titanium or ti or zirconium or zi) with (acrylate or methacrylate<br>or chelate or organometallic).clm. | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 16:05 |
| S65 | 5244   | ((copolyester or polyester) with (dispersion or aqueous or<br>water)).clm.                               | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 16:05 |
| S66 | 26     | S64 and S65  | US-PGPUB;<br>USPAT   | OR | ON | 2007/07/06 16:05 |